

**ABSTRACT**

Methods of diagnosing an abnormality in endometrial glandular development in a woman suspected of being infertile are disclosed. Methods of predicting abnormal  
5 endometrial glandular development are also disclosed. In addition, methods of assessing the suitability of the endometrium for embryo implantation in a woman undergoing ovulation induction are disclosed. Further, methods of evaluating the effect of a hormonal protocol on endometrial glandular development in a woman undergoing a hormonal protocol to produce a mock cycle are disclosed. Methods of evaluating a hormone  
10 replacement therapy protocol in a woman undergoing hormone replacement therapy are disclosed. Further, methods of diagnosing endometrial glandular mitotic arrest in a woman suspected of having endometrial hyperplasia are disclosed.

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